

Presentation No. Fourteen

FILTRATION OF CIGARETTE SMOKE

Mr. Pat Taylor

AMERICAN FILTRONA

Available: Transcript - No
Pre-conference excerpt - Yes

Mr. Taylor's talk started with a brief description of processes involved in producing cigarette smoke: pyrolysis, vaporization, condensation, and coagulation. He went on to explain that the smoke product may be broadly divided into either particulate phase or gas phase. Acetate filters (90% of those used) remove only the particulate phase of the smoke. The amount removed depends on the draw resistance introduced. Specialty filters to provide selective filtration have been developed but none have as yet had high market penetration. Air dilution, a simple method of manipulating standard filtration, is the only known way to remove some of the gas phase.

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